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<120> ADAMTS POLYPEPTIDES, NUCLEIC ACIDS ENCODING THEM, AND USES THEREOF

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<170> PatentIn Ver. 2.1

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His Asn Gly Ala Leu Leu Ala Phe Ser Pro Pro Pro Pro Arg Arg Gln
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Arg Arg Gly Thr Gly Ala Thr Ala Glu Ser Arg Leu Phe Tyr Lys Val
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Ala Ser Pro Ser Thr His Phe Leu Leu Asn Leu Thr Arg Ser Ser Arg
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Leu Leu Ala Gly His Val Ser Val Glu Tyr Trp Thr Arg Glu Gly Leu
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Ala Trp Gln Arg Ala Ala Arg Pro His Cys Leu Tyr Ala Gly His Leu
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Gln Gly Gln Ala Ser Thr Ser His Val Ala Ile Ser Thr Cys Gly Gly
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Leu His Gly Gly Pro Lys Gly Ser Arg Ser Pro Glu Glu Ser Gly Pro
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His Val Val Tyr Lys Arg Ser Ser Leu Arg His Pro His Leu Asp Thr
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Ala Cys Gly Val Arg Asp Glu Lys Pro Trp Lys Gly Arg Pro Trp Trp
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Leu Arg Thr Leu Lys Pro Pro Ala Arg Pro Leu Gly Asn Glu Thr
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Glu Arg Gly Gln Pro Gly Leu Lys Arg Ser Val Ser Arg Glu Arg Tyr
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Val Glu Thr Leu Val Val Ala Asp Lys Met Met Val Ala Tyr His Gly
245 250 255

Arg Arg Asp Val Glu Gln Tyr Val Leu Ala Ile Met Asn Ile Val Ala
260 265 270

Lys Leu Phe Gln Asp Ser Ser Leu Gly Ser Thr Val Asn Ile Leu Val
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Thr Arg Leu Ile Leu Leu Thr Glu Asp Gln Pro Thr Leu Glu Ile Thr
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His His Ala Gly Lys Ser Leu Asp Ser Phe Cys Lys Trp Gln Lys Ser
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Ile Val Asn His Ser Gly His Gly Asn Ala Ile Pro Glu Asn Gly Val
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Ala Asn His Asp Thr Ala Val Leu Ile Thr Arg Tyr Asp Ile Cys Ile
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Tyr Lys Asn Lys Pro Cys Gly Thr Leu Gly Leu Ala Pro Val Gly Gly
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Met Cys Glu Arg Glu Arg Ser Cys Ser Val Asn Glu Asp Ile Gly Leu
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Tyr Glu Asp Val Val Trp Ile Pro Lys Gly Ser Val His Ile Phe Ile
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Gln Asp Leu Asn Leu Ser Leu Ser His Leu Ala Leu Lys Gly Asp Gln
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Met Val Leu Ala Arg Thr Glu Leu Pro Ala Leu Arg Tyr Arg Phe Asn

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Ala Pro Ile Ala Arg Asp Ser Leu Pro Pro Tyr Ser Trp His Tyr Ala
820 825 830

Pro Trp Thr Lys Cys Ser Ala Gln Cys Ala Gly Gly Ser Gln Val Gln
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Ala Val Glu Cys Arg Asn Gln Leu Asp Ser Ser Ala Val Ala Pro His
850 855 860

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Ser Arg Ser Cys Asp Ala Gly Val Arg Ser Arg Ser Val Val Cys Gln
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Arg Arg Val Ser Ala Ala Glu Glu Lys Ala Leu Asp Asp Ser Ala Cys
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Pro Gln Pro Arg Pro Pro Val Leu Glu Ala Cys His Gly Pro Thr Cys
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Pro Pro Glu Trp Ala Ala Leu Asp Trp Ser Glu Cys Thr Pro Ser Cys
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Gly Pro Gly Leu Arg His Arg Val Val Leu Cys Lys Ser Ala Asp His
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Arg Arg Gly Ala Gly Ala Thr Thr Glu Ser Arg Leu Phe Tyr Lys Val
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Ala Ala Pro Ser Thr His Phe Leu Leu Asn Leu Thr Arg Ser Pro Arg
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Leu Leu Ala Gly His Val Ser Val Glu Tyr Trp Thr Arg Glu Gly Leu
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Ala Trp Gln Arg Ala Ala Arg Ala His Cys Leu Tyr Ala Gly His Leu
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Gln Gly Gln Ala Gly Ser Ser His Val Ala Val Ser Thr Cys Gly Gly
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Leu His Gly Leu Ile Val Ala Asp Asp Glu Glu Tyr Leu Ile Glu Pro
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His Val Val Tyr Lys Arg Ser Ser Leu Arg His Pro His Leu Asp Thr
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Arg Arg Asp Val Glu Gln Tyr Val Leu Ala Ile Met Asn Ile Val Ala
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Lys Leu Phe Gln Asp Ser Ser Leu Gly Asn Ile Val Asn Ile Leu Val

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Cys Glu Thr Ile Glu Gly Val Phe Ser Pro Ala Leu Pro Gly Thr Gly
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Tyr Glu Asp Val Val Trp Ile Pro Lys Gly Ser Val His Ile Phe Ile
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Gln Asp Leu Asn Leu Ser Leu Ser His Leu Ala Leu Lys Gly Asp Gln
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Leu Pro Leu Ala Gly Thr Thr Phe His Leu Arg Gln Gly Pro Asp Gln
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785 790 795 800

Met Val Leu Ala Gln Ala Glu Leu Pro Ala Leu His Tyr Arg Phe Asn
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Ala Pro Ile Ala Arg Asp Ala Leu Pro Pro Tyr Ser Trp His Tyr Ala
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Pro Trp Thr Lys Cys Ser Ala Gln Cys Ala Gly Gly Ser Gln Val Gln
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Val Val Glu Cys Arg Asn Gln Leu Asp Ser Ser Ala Val Ala Pro His
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Tyr Cys Ser Gly His Ser Lys Leu Pro Lys Arg Gln Arg Ala Cys Asn
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Thr Glu Pro Cys Pro Pro Asp Trp Val Val Gly Asn Trp Ser Arg Cys
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Ser Arg Ser Cys Asp Ala Gly Val Arg Ser Arg Ser Val Val Cys Gln
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His Asn Gly Ala Leu Leu Ala Phe Ser Pro Pro Pro Pro Arg Arg Gln
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Ala Ser Pro Ser Thr His Phe Leu Leu Asn Leu Thr Arg Ser Ser Arg
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Leu Leu Ala Gly His Val Ser Val Glu Tyr Trp Thr Arg Glu Gly Leu
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Gln Gly Gln Ala Ser Thr Ser His Val Ala Ile Ser Thr Cys Gly Gly

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His Val Val Tyr Lys Arg Ser Ser Leu Arg His Pro His Leu Asp Thr
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Ala Cys Gly Val Arg Asp Glu Lys Pro Trp Lys Gly Arg Pro Trp Trp
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210 215 220

Glu Arg Gly Gln Pro Gly Leu Lys Arg Ser Val Ser Arg Glu Arg Tyr
225 230 235 240

Val Glu Thr Leu Val Val Ala Asp Lys Met Met Val Ala Tyr His Gly
245 250 255

Arg Arg Asp Val Glu Gln Tyr Val Leu Ala Ile Met Asn Ile Val Ala
260 265 270

Lys Leu Phe Gln Asp Ser Ser Leu Gly Ser Thr Val Asn Ile Leu Val
275 280 285

Thr Arg Leu Ile Leu Leu Thr Glu Asp Gln Pro Thr Leu Glu Ile Thr
290 295 300

His His Ala Gly Lys Ser Leu Asp Ser Phe Cys Lys Trp Gln Lys Ser
305 310 315 320

Ile Val Asn His Ser Gly His Gly Asn Ala Ile Pro Glu Asn Gly Val
325 330 335

Ala Asn His Asp Thr Ala Val Leu Ile Thr Arg Tyr Asp Ile Cys Ile
340 345 350

Tyr Lys Asn Lys Pro Cys Gly Thr Leu Gly Leu Ala Pro Val Gly Gly
355 360 365

Met Cys Glu Arg Glu Arg Ser Cys Ser Val Asn Glu Asp Ile Gly Leu
370 375 380

Ala Thr Ala Phe Thr Ile Ala His Glu Ile Gly His Thr Phe Gly Met
385 390 395 400

Asn His Asp Gly Val Gly Asn Ser Cys Gly Ala Arg Gly Gln Asp Pro
405 410 415

Ala Lys Leu Met Ala Ala His Ile Thr Met Lys Thr Asn Pro Phe Val
420 425 430

Trp Ser Ser Cys Ser Arg Asp Tyr Ile Thr Ser Phe Leu Asp Ser Gly
435 440 445

Leu Gly Leu Cys Leu Asn Asn Arg Pro Pro Arg Gln Asp Phe Val Tyr
450 455 460

Pro Thr Val Ala Pro Gly Gln Ala Tyr Asp Ala Asp Glu Gln Cys Arg
465 470 475 480

Phe Gln His Gly Val Lys Ser Arg Gln Cys Lys Tyr Gly Val Glu Arg
485 490 495

Val Phe Leu Leu Ser Phe Leu Gly Gly Glu Gly Ala Ala Gly Ala Gly
500 505 510

Gly Gly Asn Ser Thr Arg Ala Pro Thr Trp Glu Val Arg Gly Trp Glu
515 520 525

Asn Arg Glu Gly Gly
530

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<211> 558
<212> PRT
<213> amino acid/human

<400> 9
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1 5 10 15

Gly Glu Thr Cys Gly His Val Ala Ser Met Ala Pro Ala Cys Gln Ile
20 25 30

Leu Arg Trp Ala Leu Ala Leu Gly Leu Gly Leu Met Phe Glu Val Thr
35 40 45

His Ala Phe Arg Ser Gln Asp Glu Phe Leu Ser Ser Leu Glu Ser Tyr
50 55 60

Glu Ile Ala Phe Pro Thr Arg Val Asp His Asn Gly Ala Leu Leu Ala
65 70 75 80

Phe Ser Pro Pro Pro Arg Arg Gln Arg Arg Gly Thr Gly Ala Thr
85 90 95

Ala Glu Ser Arg Leu Phe Tyr Lys Val Ala Ser Pro Ser Thr His Phe
100 105 110

Leu Leu Asn Leu Thr Arg Ser Ser Arg Leu Leu Ala Gly His Val Ser
115 120 125

Val Glu Tyr Trp Thr Arg Glu Gly Leu Ala Trp Gln Arg Ala Ala Arg
130 135 140

Pro His Cys Leu Tyr Ala Gly His Leu Gln Gly Gln Ala Ser Thr Ser
145 150 155 160

His Val Ala Ile Ser Thr Cys Gly Gly Leu His Gly Leu Ile Val Ala
165 170 175

Asp Glu Glu Glu Tyr Leu Ile Glu Pro Leu His Gly Gly Pro Lys Gly
180 185 190

Ser Arg Ser Pro Glu Glu Ser Gly Pro His Val Val Tyr Lys Arg Ser

195

200

205

Ser Leu Arg His Pro His Leu Asp Thr Ala Cys Gly Val Arg Asp Glu
210 215 220

Lys Pro Trp Lys Gly Arg Pro Trp Trp Leu Arg Thr Leu Lys Pro Pro
225 230 235 240

Pro Ala Arg Pro Leu Gly Asn Glu Thr Glu Arg Gly Gln Pro Gly Leu
245 250 255

Lys Arg Ser Val Ser Arg Glu Arg Tyr Val Glu Thr Leu Val Val Ala
260 265 270

Asp Lys Met Met Val Ala Tyr His Gly Arg Arg Asp Val Glu Gln Tyr
275 280 285

Val Leu Ala Ile Met Asn Ile Val Ala Lys Leu Phe Gln Asp Ser Ser
290 295 300

Leu Gly Ser Thr Val Asn Ile Leu Val Thr Arg Leu Ile Leu Leu Thr
305 310 315 320

Glu Asp Gln Pro Thr Leu Glu Ile Thr His His Ala Gly Lys Ser Leu
325 330 335

Asp Ser Phe Cys Lys Trp Gln Lys Ser Ile Val Asn His Ser Gly His
340 345 350

Gly Asn Ala Ile Pro Glu Asn Gly Val Ala Asn His Asp Thr Ala Val
355 360 365

Leu Ile Thr Arg Tyr Asp Ile Cys Ile Tyr Lys Asn Lys Pro Cys Gly
370 375 380

Thr Leu Gly Leu Ala Pro Val Gly Gly Met Cys Glu Arg Glu Arg Ser
385 390 395 400

Cys Ser Val Asn Glu Asp Ile Gly Leu Ala Thr Ala Phe Thr Ile Ala
405 410 415

His Glu Ile Gly His Thr Phe Gly Met Asn His Asp Gly Val Gly Asn
420 425 430

Ser Cys Gly Ala Arg Gly Gln Asp Pro Ala Lys Leu Met Ala Ala His
435 440 445

Ile Thr Met Lys Thr Asn Pro Phe Val Trp Ser Ser Cys Ser Arg Asp
450 455 460

Tyr Ile Thr Ser Phe Leu Asp Ser Gly Leu Gly Leu Cys Leu Asn Asn
465 470 475 480

Arg Pro Pro Arg Gln Asp Phe Val Tyr Pro Thr Val Ala Pro Gly Gln
485 490 495

Ala Tyr Asp Ala Asp Glu Gln Cys Arg Phe Gln His Gly Val Lys Ser
500 505 510

Arg Gln Cys Lys Tyr Gly Val Glu Arg Val Phe Leu Leu Ser Phe Leu
515 520 525

Gly Gly Glu Gly Ala Ala Gly Gly Gly Asn Ser Thr Arg Ala
530 535 540

Pro Thr Trp Glu Val Arg Gly Trp Glu Asn Arg Glu Gly Gly
545 550 555